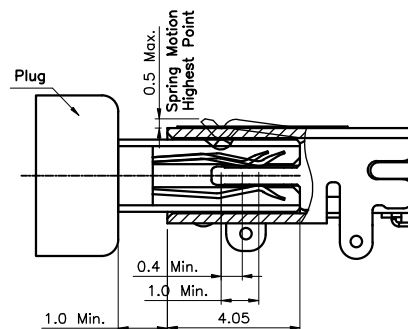
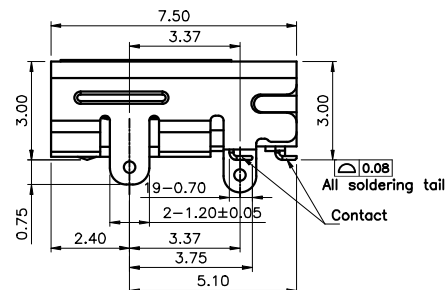
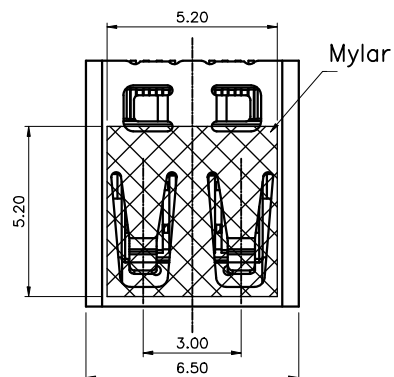
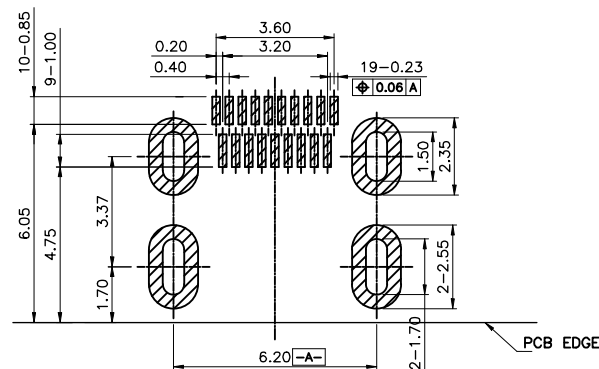
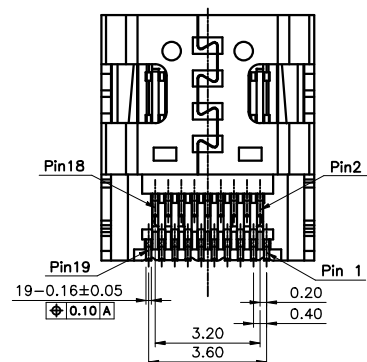
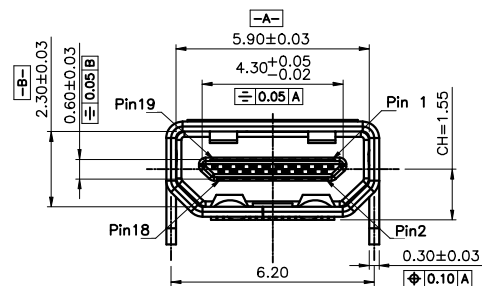




Receptacle and Plug Mated Condition

RECOMMENDED PCB LAYOUT(TOP VIEW)
(TOLERANCE: ±0.05mm)

REV.	ECN NO.	DESCRIPTION	DRAW	DATE

Notes:

1. Materials

- Housing: LCP+30% G/F, Black, UL94 V-0;
- Contact: Phosphor Copper (C5191), Gold Plating at mating area, Matte Tin or Au Plating at solder tail, all over Nickel;
- Shell: Phosphor Copper (C5191);

2. Ratings

- Current Rating: 0.3A ;
- Operating Temperature: -40°C ~ 85°C;

3. Electrical Requirement:

- LLCR: Excluding Conductor Resistance 10mΩ Max.(Target design value),

Contact: 30mΩ Max. changed (Final), Shell: 50mΩ Max. Changed (Final);

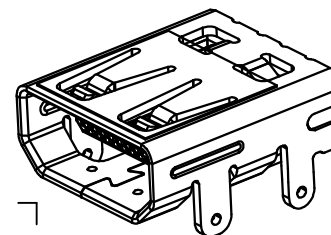
- Dielectric Withstanding Voltage: 150V AC (RMS) for 1 minute (Mated), 250V AC (RMS) for 1 minute (Unmated);

- Insulation Resistance: 10MΩ Min. @ 150V DC (Mated), 100MΩ Min. @ 500V DC (Unmated);

4. Mechanical Performance:

- Insertion force: 44.1N (4.5Kgf) Max.;
- Withdrawal force: 4.9~25N (0.5~2.5Kgf);
- Durability life: 5,000 Cycles;

- IR Reflow: the peak temperature on board shall be maintained for 10 seconds at 260±5°C.

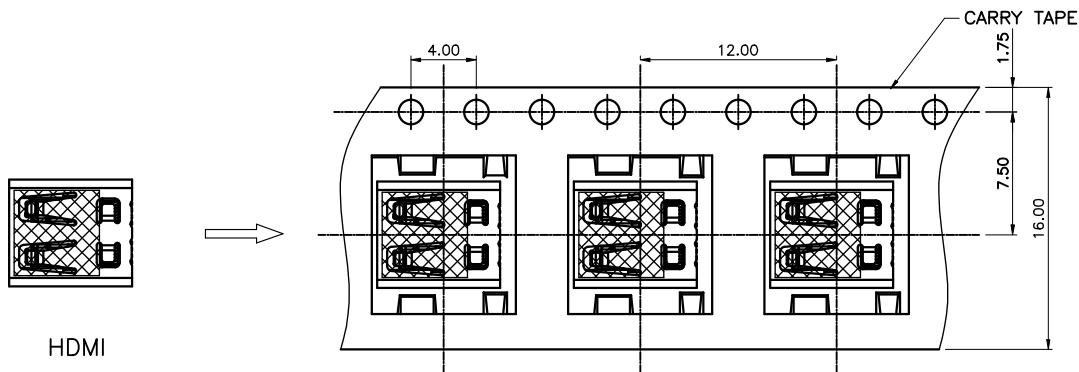
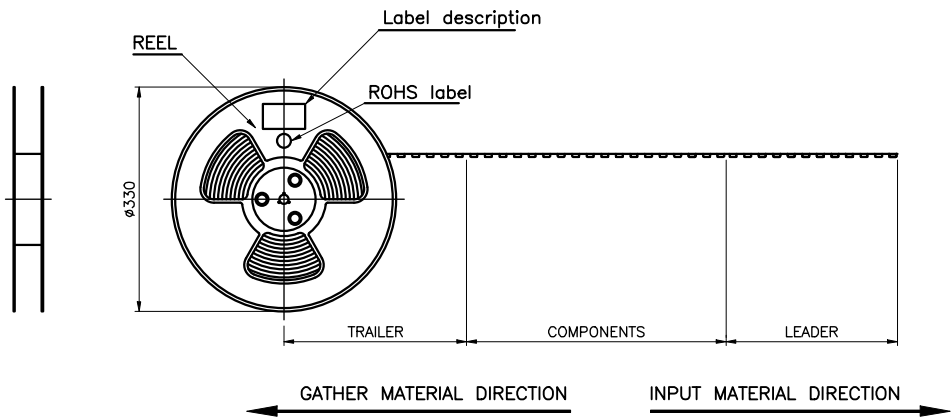


PIN	Signal Assignment
1	Hot Plug Detect
2	Utility
3	TMDS Data2+
4	TMDS Data2 Shield
5	TMDS Data2-
6	TMDS Data1+
7	TMDS Data1 Shield
8	TMDS Data1-
9	TMDS Data0+
10	TMDS Data0 Shield
11	TMDS Data0-
12	TMDS Clock+
13	TMDS Clock Shield
14	TMDS Clock-
15	CEC
16	DDC/CEC Ground
17	SCL
18	SDA
19	+5V Power

COSTOMER DRAWING		LAILIAN 深圳市莱联电子有限公司 SHENZHEN LAILIAN ELECTRONICS CO., LTD			
DRAWING					
CHECK					
APPROVAL					
TOLERANCES ARE		TITLE	HDMI-D连接器19PIN母端卧贴	REV.	A
30-150	±0.35	PART NO.	LAIL-HDMI-D01-A-WT	UNITS	mm
10-30	±0.2				
5-10	±0.15				
0-5	±0.1	DWG.NO.		Projection	

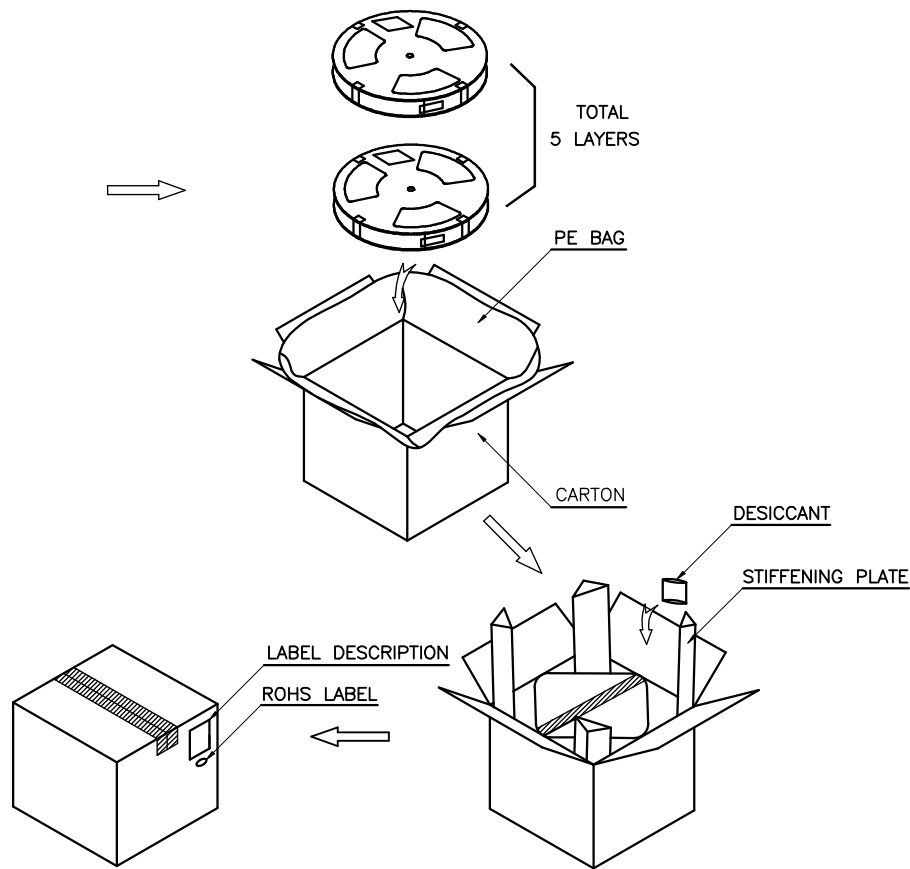
ROHS

REV.	ECN NO.	DESCRIPTION	DRAW	DATE



Notes:

1. The start and end of each reel, based on the actual quantity, reserved 10--15pcs space;
2. Peel off force of top tape: 10g~130g, peel deg.:165°~175°; peel speed: 250~300mm/min;
3. Carton size: 350*350*155mm.
4. QTY: 1000pcs/reel, 5reel/carton, total 6000pcs/carton;



COSTOMER DRAWING			 深圳市莱联电子有限公司 SHENZHEN LAILIAN ELECTRONICS CO., LTD		
DRAWING			TITLEHDMI-D连接器19PIN母端卧贴REV.A		
CHECK					
APPROVAL					
TOLERANCES ARE			PART NO.LAIL-HDMI-D01-A-WT DWG.NO. UNITSmm Projection		
30-150	±0.35	ANGLE			
10-30	±0.2				
5-10	±0.15				
0-5	±0.1				